

CONTENTS OF VOLUME 1 (1979)

Preface	1
<i>R.P. Ruegg and K.G. Davey</i>	
The effect of C18 juvenile hormone and Altosid on the efficiency of egg production in <i>Rhodnius prolixus</i>	3
<i>D.J. Wildish</i>	
Reproductive consequences of the terrestrial habit in <i>Orchestia</i> (Crustacea: Amphipoda)	9
<i>D.F. Went</i>	
Paedogenesis in the dipteran insect <i>Heteropeza pygmaea</i> : an interpretation	21
<i>K. Uma and T. Subramonian</i>	
Histochemical characteristics of spermatophore layers of <i>Scylla serrata</i> (Forskal) (Depapoda: Portunidae)	31
<i>M. de Jong-Brink, J.P. ter Borg, M.J.M. Bergamin-Sassen and H.H. Boer</i>	
Histology and histochemistry of the reproductive tract of the pulmonate snail, <i>Bulinus truncatus</i> , with observations on the effects of castration on its growth and histology	41
<i>J.S. Bale</i>	
The occurrence of an adult reproductive diapause in the univoltine life cycle of the beech leaf mining weevil, <i>Rhynchaenus fagi</i> L.	57
<i>R. Bertolani</i>	
Hermaphroditism in tardigrades	67
Announcements	73
<i>K.L. Williams, L. Barton Browne and A.C.M. van Gerwen</i>	
Quantitative relationships between the ingestion of protein-rich material and ovarian development in the Australian sheep blowfly, <i>Lucilia cuprina</i> (Wied.)	75
<i>P. Clément et R. Pourriot</i>	
Influence de l'âge des grand-parents sur l'apparition des mâles chez le Rotifère <i>Notommata copeus</i> Ehr.	89
<i>S.L.W. Greenberg and A.M. Stuart</i>	
The influence of group size on ovarian development in adult and neotenic reproductives of the termite <i>Zootermopsis angusticollis</i> (Hagen) (Hodotermitidae)	99
Review article	
<i>J. Bierne and G. Rué</i>	
Endocrine control of reproduction in two rhynchocoelan worms	109
<i>O. Okelo</i>	
Mechanisms of sperm release from the receptaculum seminis of <i>Schistocerca vaga</i> Scudder (Orthoptera: Acrididae)	121
<i>M.F. Blanchet, P. Pocheron et F. Dray</i>	
Variations du taux des ecdystéroïdes au cours des cycles de mue et de vitellogenèse chez le Crustacé Amphipode, <i>Orchestia gammarellus</i>	133

<i>W. Witaliński</i>	
Fine structure of the spermatozoon in the mite, <i>Parasitus niveus</i> (Mesostigmata, Acari)	141
Announcement	151
<i>J. Wüest</i>	
Histological and cytological studies on the ovary of <i>Nauphoeta cinerea</i> (Blattaria, Oxyhaloidea) during the first reproductive cycle	153
<i>S. Shostak</i>	
Digestive cell and tentacle number in freshly detached buds of <i>Hydra viridis</i>	167
<i>G.W. Hinsch and P.f. Dehn</i>	
Ultrastructural evidence for Sertoli-like cells in the testis of the ateroid, <i>Luidia clathrata</i> (Say) (Echinodermata: Platyasterida)	179
<i>L. Regis</i>	
The role of the blood meal in egg-laying periodicity and fecundity in <i>Triatoma infestans</i>	187
<i>T. Subramoniam</i>	
Heterosexual raping in the mole crab, <i>Emerita asiatica</i>	197
Short communication	
<i>B. Banerjee</i>	
The mating speed in <i>Oligonychus gossypii</i> (Zacher) (Tetranychidae: Acarina)	201
Short communication	
<i>M. Descamps</i>	
Influence of the ventral nerve cord on the spermatogenetic cycle in <i>Lithobius forficatus</i> L. (Myriapoda, Chilopoda)	205
<i>M.M. Nijhout and L.M. Riddiford</i>	
Juvenile hormone and ovarian growth in <i>Manduca sexta</i>	209
<i>J.C. Biemont</i>	
Vitellogenesis in <i>Acanthoscelides obtectus</i> (Coleoptera: Bruchidae). I — Oocyte development and vitellogenin in a European strain	221
<i>J. Huignard and J.C. Biemont</i>	
Vitellogenesis in <i>Acanthoscelides obtectus</i> (Coleoptera: Bruchidae). II. — The conditions of vitellogenesis in a strain from Colombia Comparative study and adaptive significance	233
<i>R. Colón-Urban, P.J. Cheung, G.D. Ruggieri and R.F. Nigrelli</i>	
Observations on the development and maintenance of the deep sea barnacle, <i>Octolasmis aymonini geryonophila</i> (Pilsbry)	245
<i>G.F. O'Meara</i>	
Variable expressions of autogeny in three mosquito species	253
<i>V.R. Parshad and S.S. Guraya</i>	
Some observations on the testicular changes in an acanthocephalan, <i>Centrorhynchus corvi</i> , in natural infections of the crow, <i>Corvus splendens</i>	263
<i>R.B. Turner, R.A.M. Chavez-Arnold and T.A. Holguin</i>	
Preliminary report of some hydrolytic-enzyme activities of honey bee semen	267
<i>B.K. Senapati, H.K. Dash and M.C. Dash</i>	
Seasonal dynamics and emergence pattern of a tropical earthworm, <i>Drawida calebi</i> (Oligochaeta)	271

<i>D.G. Carho</i>	
Observations on the settling behaviour of planular larvae of <i>Chrysaora quinquecirrha</i>	279
<i>C. Zerbiv</i>	
Etude ultrastructurale de l'ovocyte en vitellogenèse chez les Ecrevisses <i>Astacus astacus</i> et <i>A. leptodactylus</i>	289
<i>M.R. Hummon and W.D. Hummon</i>	
Reduction in fitness of the gastrotrich <i>Lepidodermella squammata</i> by dilute acid mine water and amelioration of the effect by carbonates	297
<i>P.A. Voogt and J.W.A. van Rheenen</i>	
Studies on the possible regulatory function of asterosaponins in oocyte maturation and early embryogenesis of <i>Asterias rubens</i>	307
<i>O. Okelo</i>	
Influence of male presence on clutch size in <i>Schistocerca vaga</i> Sudder (Orthoptera: Acrididae)	317
<i>S.E. Osman and E. Führer</i>	
Histochemical analysis of accessory genital gland secretions in female <i>Pimpla turionellae</i> L. (Hymenoptera: Ichneumonidae)	323
<i>K. Ramasubramaniam</i>	
A histochemical study of the secretions of reproductive glands and of the egg envelopes of <i>Achatina fulica</i> (Pulmonata: Stylommatophora)	333
<i>A. Thomas</i>	
Inhibition of the onset of vitellogenesis by abnormal retention of mature eggs in the stick insect, <i>Caurausius morosus</i>	347
Short communication	
<i>A. Nicotra and M. Arizzi</i>	
Cortical modifications in <i>Paracentrotus lividus</i> eggs after ammonia activation	355
<i>K.-L. Schiedges</i>	
Field and laboratory investigations of factors controlling schizogamous reproduction in the polychaete, <i>Autolytus</i>	359
<i>T. Jenkins, A. Larkman and M. Funnell</i>	
Spermatogenesis in a trichuroid nematode, <i>Trichuris muris</i> — I. Fine structure of spermatogonia	371
Subject Index to Volume 1	387

